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26522 La Alameda Avenue, Suite 360  
Mission Viejo, California 92691  
tel: (949) 282-1000  
fax: (949) 282-1002

**FACSIMILE TRANSMISSION COVER SHEET**

**Date:** November 9, 2005

**To:** United States Patent and Trademark Office  
Examiner: Vo, Tung T.; Art Unit: 2613

**Fax:** (571) 273-8300

**Re:** **Application Serial No.: 09/910,684**  
Filing Date: 7/20/2001; First-Named Inventor: Hwang  
Attorney Docket No.: 0190151

**From:** Farjami & Farjami LLP

**Number of pages including the cover sheet:** 16

**Message:**

Enclosed please find the Amendment and Response to Non-Final Office Action dated August 22, 2005.

Thank you.

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Attorney Docket No.: 0190151

**AMENDMENT COVER SHEET**IN RE APPLICATION OF: Hwang, et al.SERIAL NO.: 09/910,684 FILED: 7/20/2001FOR: Memory Control Apparatus and Efficient Search Pattern for Block-Matching Motion EstimationHONORABLE COMMISSIONER FOR PATENTS  
P.O. Box 1450, Alexandria, VA 22313-1450

Sir/Madam:

Transmitted herewith is a paper in the above-identified application. Any necessary extension of time period set for this paper is hereby requested.

☒ No additional fee is required.☐ The fee has been calculated as shown below:☐ EXTENSION FEE

	RATE Non-Small Entity	RATE Small-Entity	FEE
FIRST MONTH AFTER TIME PERIOD SET	120.00	60.00	\$
SECOND MONTH AFTER TIME PERIOD SET	450.00	225.00	\$
THIRD MONTH AFTER TIME PERIOD SET	1,020.00	510.00	\$
FOURTH MONTH AFTER TIME PERIOD SET	1,590.00	795.00	\$

☐ TOTAL EXTENSION FEE \$ 0.00☐ FEE FOR EXTRA CLAIMS added by Amendment in this response:

	Column 1	Column 2	Column 3			
	Number of Claims after Amendment	Number Previously Paid for	Number of Extra Claims	RATE Non-Small Entity	RATE Small Entity	FEE
TOTAL CLAIMS	19	MINUS **20	* = 0	x 50	x 25	\$
INDEPENDENT	3	MINUS ***3	* = 0	x 200	x 100	\$
First presentation of multiple dependent claim				+ 360	+ 180	\$

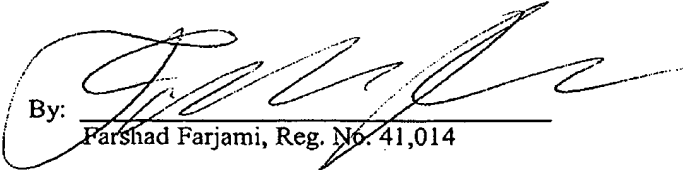
TOTAL FEE FOR EXTRA CLAIMS \$ 0.00

- \* If the entry in Column 1 is less than the entry of Column 2, write "0" in Column 3.  
 \*\* If the number of Total Claims previously paid for is less than 20, write "20" in this space.  
 \*\*\* If the number of Independent Claims previously paid for is less than 3, write "3" in this space.

Attorney Docket No.: 0190151

- ☐ Enclosed is the total fee of \$ \_\_\_\_\_ (Payment by Credit Card, Form PTO-2038 Enclosed).
- ☐ Please charge Deposit Account No. 50-0731 in the amount of \$ \_\_\_\_\_
- ☒ The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication, or credit any overpayment to Deposit Account No. 50-0731. A duplicate copy of this sheet is enclosed.

Date: 11/9/05

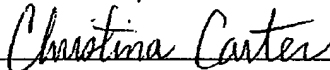
By:   
Farshad Farjami, Reg. No. 41,014CERTIFICATE OF FACSIMILE TRANSMISSION

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Date

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Name of Person Performing Facsimile Transmission

Christina Carter

Farshad Farjami, Esq.  
Farjami & Farjami LLP  
26522 La Alameda Ave., Suite 360  
Mission Viejo, CA 92691  
Telephone: (949) 282-1000  
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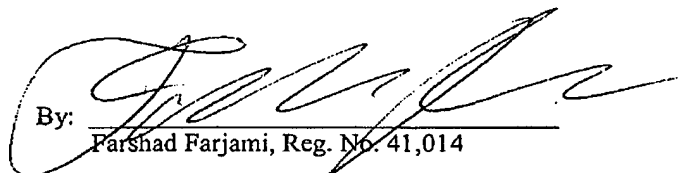
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Date:

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By:

  
Farshad Farjami, Reg. No. 41,014

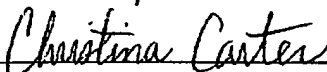
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In re Application of: Hwang, et al.

Art Unit: 2613

Serial No.: 09/910,684

Examiner: Vo, Tung T.

Filed: July 20, 2001

For: **MEMORY CONTROL APPARATUS  
AND EFFICIENT SEARCH PATTERN  
FOR BLOCK-MATCHING MOTION  
ESTIMATION**

**AMENDMENT AND RESPONSE TO NON-FINAL ACTION**

Honorable Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir/Madam:

This Amendment and Response is submitted in response to the *Non-Final* Office Action, dated August 22, 2005, in the above-referenced patent application. Please enter and consider the following amendments and remarks.